



# XRN-420S

4CH NVR



## Key Features

- 最大4CH、8MPカメラ対応
- H.265、H.264、MJPEGコーデック
- AI検索：オブジェクト属性（Wisenet AIカメラと統合時）
- 50Mbpsネットワークカメラ録画
- 4 PoE（LAN、10/100）、1 PoE（WAN、1Gbps）でプラグ＆プレイ
- 最大1 HDD（最大6TB）
- HDMI / VGAローカルモニター
- ARBサポート
- P2Pサービス（QRコード接続）サポート

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## Specifications

### Display

|                |                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network camera | Inputs               | Max. 4CH                                                                                                                                                                                                                                                                                                                                                                                          |
|                | Resolution           | 8MP ~ CIF                                                                                                                                                                                                                                                                                                                                                                                         |
|                | Protocols            | SUNAPI, ONVIF                                                                                                                                                                                                                                                                                                                                                                                     |
| Decoding       | Local Display        | HDMI, VGA                                                                                                                                                                                                                                                                                                                                                                                         |
|                | Multi Screen Display | [Dual Monitor] 1/ 2V/ 2H/ 3V/ 4/ Sequence [Web] 1/ 2V/ 2H/ 3V/ 4                                                                                                                                                                                                                                                                                                                                  |
|                | Resolution           | [Local Monitor] 8M(30fps),1080p(120fps),720P(120fps),D1(120fps),<br>[Local Monitor] FHD Clone mode : 32M(15fps,H.265 Only),12M(30fps,H.265 Only),8.3M(50fps),1080p(240fps),<br>D1(480fps) UHD Single mode : 32M(15fps,H.265 Only),12M(30fps,H.265 Only),8.3M(50fps),1080p(240fps),D1(270fps),<br>FHD Expand mode: 32M(12fps,H.265 Only),12M(25fps,H.265 Only),8.3M(30fps),1080p(90fps),D1(200fps) |

### Performance

|                  |                       |                                                                                                   |
|------------------|-----------------------|---------------------------------------------------------------------------------------------------|
| Operating System | Embedded              | Linux                                                                                             |
| Record           | Compression           | H.265, H.264, MJPEG                                                                               |
|                  | Recording Bandwidth   | Max. 50Mbps                                                                                       |
|                  | Resolution            | 8MP ~ CIF                                                                                         |
|                  | Mode                  | Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark                       |
|                  | Event Trigger         | Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event |
|                  | Event Action          | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out                                    |
| Search & Play    | Playback Bandwidth    | Max. 32Mbps                                                                                       |
|                  | User                  | Max. 4 Users (Local 1, Remote 3)                                                                  |
|                  | Simultaneous playback | Max. 16CH(Local 4CH, Remote 4CH per user)                                                         |
|                  | Fisheye Dewarping     | CMS                                                                                               |
|                  | Mode                  | Date & Time(Calendar), Event list, Text Search, Smart Search                                      |
|                  | Resolution            | CIF ~ 8MP                                                                                         |
|                  | Playback Control      | Fast/Slow Forward / Backward, Move one step Up / Down                                             |
| Storage          | Supported HDD         | Up to 6TB                                                                                         |
|                  | HDD Slot              | SATA 1ea(Max 6TB)                                                                                 |

## Performance

|        |             |                                                        |
|--------|-------------|--------------------------------------------------------|
| Backup | File backup | BU/Exe(GUI), JPG/AVI(Network)                          |
|        | Function    | Multi channel(Up to 4CH) Play, Date-Time/Title display |

## Network

|                        |                     |                                                                                                                                                                                          |
|------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol               |                     | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client) |
| DDNS                   |                     | Hanwha DDNS                                                                                                                                                                              |
| Transmission Bandwidth |                     | Max. 64Mbps                                                                                                                                                                              |
| Audio                  | Input/Output        | 4 CH(network)                                                                                                                                                                            |
|                        | Compression         | G.711, G.726, AAC(16/48KHz)                                                                                                                                                              |
|                        | Audio Communication | 2-Way                                                                                                                                                                                    |
| Max Remote Users       |                     | Search(3), Live Unicast(10), Multicast(20)                                                                                                                                               |
| Security               |                     | IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware                                                                    |
| Web viewer             | Supported OS        | Windows 10, macOS 10.13                                                                                                                                                                  |
|                        | Supported browser   | Google Chrome, Microsoft Edge, Mac Safari                                                                                                                                                |
| Viewer Software        |                     | WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS                                                                                 |

## Function

|                    |                   |                                                                                                                                                                                                                                                                                  |
|--------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera Setup       | Register          | Auto, Manual                                                                                                                                                                                                                                                                     |
|                    | Item              | IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SDDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage |
| PTZ                | Control           | Via GUI, Webviewer                                                                                                                                                                                                                                                               |
|                    | Preset            | 300 Presets                                                                                                                                                                                                                                                                      |
| Smart phone        | Support Model     | iOS, Android                                                                                                                                                                                                                                                                     |
|                    | Protocol Support  | RTP, RTSP, HTTP, CGI(SUNAPI)                                                                                                                                                                                                                                                     |
|                    | Control           | Live 4CH(Multi-Profile Support), Playback 4CH                                                                                                                                                                                                                                    |
|                    | Max. Remote Users | Search(3), Live Unicast(10)                                                                                                                                                                                                                                                      |
| Redundancy         | Failover          | N+1                                                                                                                                                                                                                                                                              |
|                    | ARB               | Support                                                                                                                                                                                                                                                                          |
| Easy configuration |                   | P2P(QR code)                                                                                                                                                                                                                                                                     |

## Interface

|         |           |                        |
|---------|-----------|------------------------|
| Front   | Indicator | Power, Record, Network |
| Storage |           | OK                     |
| Reset   |           | Support                |
| HDMI    |           | 1EA 3840x2160 30Hz     |

## Interface

|             |                                                     |
|-------------|-----------------------------------------------------|
| VGA         | 1EA 1920x1080 30Hz                                  |
| Audio       | Out 1EA                                             |
| Ethernet    | PoE+ RJ-45(LAN, 10/100) 4ea, RJ-45 1ea (WAN, 1Gbps) |
| Alarm       | In 4EA, Out 2EA                                     |
| USB         | 2EA(Front 1 x USB 2.0, Rear 1 x USB 2.0)            |
| Power inlet | DC Adaptor                                          |

## System

|                |          |                                                                                                                                                                                                                                |
|----------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Log            | Log List | Max. 100,000 (System Log, Event Log each)                                                                                                                                                                                      |
| System Control |          | Mouse, Web                                                                                                                                                                                                                     |
| Language       |          | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese |

## Environmental

|                       |                             |
|-----------------------|-----------------------------|
| Operating Temperature | 0°C to +40°C(32°F to 104°F) |
| Operating Humidity    | 20% ~ 85% RH                |

## Electrical

|                   |                                  |
|-------------------|----------------------------------|
| Power Input       | 100 ~ 240 VAC $\pm$ 10%, 50/60Hz |
| Power Consumption | Max. 67W(1HDD, PoE On)           |
| PoE Budget        | 50W                              |

## Mechanical

|                  |                                                    |
|------------------|----------------------------------------------------|
| Color / Material | Black / Metal                                      |
| Dimension        | 300.0 x 47.1 x 208.4 mm (11.81 x 1.85 x 8.20 inch) |
| Weight           | 1.06Kg(2.33lb)                                     |

## Intelligent Analysis

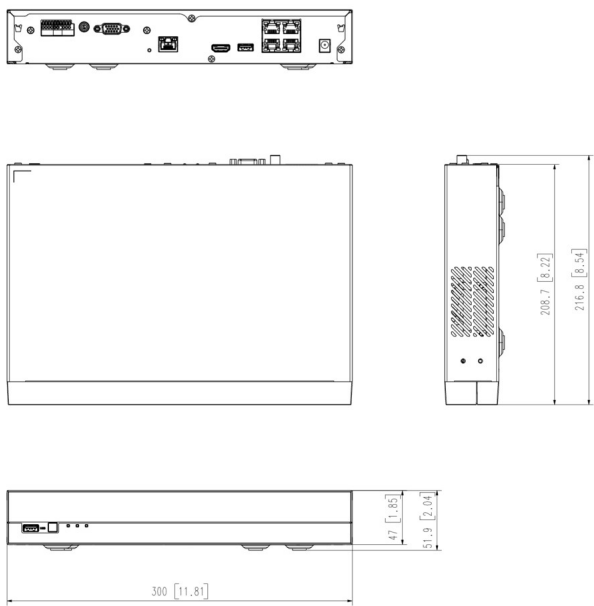
|           |                  |                                   |
|-----------|------------------|-----------------------------------|
| AI Search | Object Attribute | Compatible with Hanwha AI Cameras |
|-----------|------------------|-----------------------------------|

XRN-420S  
4CH NVR



CAD

Unit: mm [inch]



|               |            |                                                                                                      |
|---------------|------------|------------------------------------------------------------------------------------------------------|
| 3             |            |                                                                                                      |
| 2             |            |                                                                                                      |
| 1             | XRN-420S   | '21.06.01                                                                                            |
| No.           | MODEL NAME | DATE                                                                                                 |
| Unit:mm[inch] | SCALE:1/2  |  Hanwha Techwin |

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